



## SWARC NEWS

### Notes from KK4BK

Lifelong Learning.

It is not just an ARRL thing. It is for every topic. It just happens that right now, my focus is on HAM radio.

I read several websites, QRZ and ARRL as starting points. The ARRL generally has little blurbs on the front page that leads to a story with a bit more detail. The sad part is – it is not anything to in detail. I must go look in other places.

“Reminder” The ARRL has a bookstore. They are in both Book and Electronic format. I have several Antenna books. That is why I have so many short sections of wire in my garage.

And do not forget the ARRL Lifelong Learning classes...

Some say, “Google is my friend”, but I find it a bit to difficult to narrow down the results. “YouTube is MY Friend”. Not only can I find several HAMS that have information on your desired HAM topic, but after lots of video watching, YouTube starts to suggest lots of interesting things to watch.

There are lots of places. You pick your favorite and learn something today.

SWARC de KK4BK

## Notes from K7RLH

Hello fellow SWARC members,

As your VP, I am here to remind you that we are always looking for meeting topics of interest even in the Zoom environment. For those of you that have attended our recent virtual club meetings, you can see that, with shared screens, we can have presentations just like we would show on the screen if we were at the Legion. So, until the COVID-19 restrictions are lifted, we will be in this mode for the foreseeable future.

On another topic, member Mark Gibson, N4MQU, created the Five County Ham Radio Enthusiasts group sometime last year, I think, and he encourages everyone to become a member and it is free, i.e., no dues. The website is [www.fivecountyhre.org](http://www.fivecountyhre.org) and from the home page you can sign up to be included. FCHRE sponsors free ham radio testing via the Laurel VEC organization that several of us belong to and we support the testing being offered. I am an assistant team leader which means that if we, as SWARC, wanted to use Legion facilities as a location for testing, we could do that with VE support from members. Testing requires a minimum of three volunteer examiners, preferably Extra class amateurs, to administer exams and report results to the FCC via the ULS function. If there is enough interest in having a testing site, then we would secure necessary exams and equipment to allow us to be a testing group. Basic equipment needed is a Windows 10-based computer and a printer, and, of course, Internet access is desirable for immediate uploads to the FCC database.

That is all for this month, but I encourage you to become a FCHRE member and benefit from email announcements, etc. that Mark posts frequently. You can always change your preferences at any time.

73, Richard – K7RLH

# Meeting Notes

## SWARC 5 October Meeting Minutes

The meeting was called to order on-the-web at 7:00 pm by President Brian Knox, KK4BK. We were once again social distancing via Zoom from the comfort of our homes.

Fourteen (14) attendees were present during the course of the meeting including:

Richard Hall (K7RLH), Brian Knox (KK4BK), Bernie Jones (N4BAJ), Mike Callam (KD4MC), Dave Yow (K4MSE), Bill Blomgren (KK4QDZ), Andy McDaniel (KN4JJU), Al Crawford (WA4TCJ), Linda Crawford (KI4LO), Steve Mowels (KA0GMY), Mike Ramsey (KD4OKR), Cecil Byrd (KM4ARS), Christy Fernandini (KJ4AEO), and Manny Garcia (KB4NC). Bernie led the pledge of allegiance with the group in near perfect unison over Zoom.

Main Presentation - "What is Winlink?" by our president Brian Knox, KK4BK.

Winlink is a worldwide system for sending email via radio. As such Winlink has been adopted by numerous disaster response and recovery organizations operating in areas affected by local internet outages. Given its wide use there are lots of available training materials for Winlink. Winlink can be operated in several different configurations ranging from modes which leverage the internet, to radio only mode, and peer to peer mode. Brian discussed the various connection options available in Winlink including Pactor (expensive but faster with better error checking) to Winmor (free but slower). If you have operated using one of the HF digital modes chances are you have all the equipment you need to run Winlink. Brian walked the

attendees through the interface, which has a familiar look like many email clients. He showed the attendees some of the functionality and options built into the free Winlink software. Brian wrapped up the presentation with a Q&A session and encouraged everyone to give Winlink a try.

#### Finance Report:

To date the club has \$1,469.91 in its account. In the past month \$145 was added to the account from dues and \$75 went out of the account to pay for coffee and doughnuts at the upcoming SWARC SwapFest (Oct 17<sup>th</sup>).

#### New Business:

The American Legion is conducting a raffle with the prize being a preowned Harley Davidson motorcycle. Tickets are \$15. Contact Gator (K4MWG) if you are interested in purchasing a raffle ticket. On October 24<sup>th</sup> volunteers are needed to meet at the American Legion post to move the vertical antenna mast. Six members are needed to move this beast. If you have a strong back please meet at the Legion at 9:00am on Saturday October 24<sup>th</sup>.

Membership dues are prorated throughout the 2021 fiscal year. So now is a great time to send in your membership application. Presently SWARC has 31 paid members.

Presently the Legion has not yet opened our normal meeting room for use. The club will be talking with the Legion to determine a potential timetable as well as COVID safety rules for using the room. Once more information becomes available the club will discuss the possibility of having a holiday gathering.

Steve (KA0GMY) announced that SWARC is sponsoring a SwapFest on October 17, 2020 in the back parking lot of Golden Corral - our regular Saturday breakfast spot off Tyron Road [3551 Grenelle St, Raleigh, NC 27603]. The SwapFest will be held outdoors. Buyers, sellers, traders are respectfully asked to wear face coverings for everyone's safety and comfort. The event is free for everyone. To allow potential buyers to test out equipment for sale power sources are being arranged in the form of a generator, batteries, and possibly the JARSCo mobile command vehicle.

Steve (KA0GMY) proposed that the club issue a Ham of the Year award complete with a \$75 prize. The motion passed. Please send your nomination of a deserving Ham to Steve and the results will be tallied.

In consultation with Danny Hampton, trustee of the 145.210 repeater and representatives of Central Carolina Skywarn, the club has adopted a revised policy for operating our daily rag chew nets while Skywarn is activated. The objective of the revised policy is to provide a flexible plan designed to optimize the use of the repeater. In short if Skywarn is active or activated during a club's net the SWARC net control will ask the Skywarn net control if he/she feels that the two nets can operate concurrently. If the Skywarn net control says yes, the two nets can operate concurrently, then the SWARC net will proceed with its net making sure to provide extra time between transmissions to allow Skywarn to break in if necessary. If the Skywarn net control anticipates an active Skywarn net and does not believe it is prudent for the two nets to run concurrently then SWARC will yield and not hold its rag chew net.

## Old Business:

Mike (KD4MC) reminded attendees that JARSfest is canceled this year due to COVID. Fortunately, though plans are in the works to stand up an April event near Clayton at the backup 911 center off highway NC42. More details to come.

Brian (KK4BK) asked the attendees how they felt holding in person SWARC meetings, either at the Legion once the meeting room opens back up, or at another location. Mike (KD4MC) noted that JARS is having in person meetings although he acknowledged that attendance was down. Responses to Brian's question were mixed. Mike Ramsey (KD4OKR) noted that if in person meetings are held the club will also offer a method to attend virtually. More information about future meeting formats is forthcoming. Brian concluded the meeting at 8:07pm.

73, Andy McDaniel – KN4JJU - Secretary

# South Wake Amateur Radio Club

## Treasurer Report July 2020

| South Wake Amateur Radio Club Treasurer Report |         |          |                                                        |
|------------------------------------------------|---------|----------|--------------------------------------------------------|
| September 2020                                 |         |          |                                                        |
|                                                |         |          |                                                        |
| Club Addition and Reduction Activity           |         |          |                                                        |
| Additions                                      |         |          |                                                        |
| Dues                                           | 30.00   | ck# 2617 | Stanley Ingram (W4SFI)                                 |
| Donation                                       | 20.00   | ck# 242  | Stanley Ingram (W4SFI)                                 |
| Dues                                           | 30.00   | ck# 3257 | John Poplawski (WB4UFO)                                |
| Dues                                           | 30.00   | cash     | David Weatherington (KN4OFB)                           |
| Dues                                           | 35.00   | cash     | Mark (N4MQU) and Linda (KD4JMJ) Gibson                 |
| <b>Total Additions</b>                         | 145.00  |          |                                                        |
|                                                |         |          |                                                        |
| Reductions                                     |         |          |                                                        |
| Swap Fest                                      | 75.00   | ck# 1694 | reimbursed Steve Mowels (KA0GMY) for coffee and donuts |
| <b>Total Reductions</b>                        | 75.00   |          |                                                        |
|                                                |         |          |                                                        |
|                                                |         |          |                                                        |
| Bank Account Activity                          |         |          |                                                        |
| Balance as of 09/08/2020                       | 1399.91 |          |                                                        |
| Addition                                       | 145.00  |          |                                                        |
| Reduction                                      | 75.00   |          |                                                        |
|                                                |         |          |                                                        |
| <b>Balance as of 10/05/2020</b>                | 1469.91 |          |                                                        |
|                                                |         |          |                                                        |
|                                                |         |          |                                                        |
|                                                |         |          |                                                        |
|                                                |         |          | Christine Fernandini KJ4AEO 10/05/2020                 |

# MEMBERSHIP

Just a reminder that it is that time again to pay membership dues.

\$30 for individual and \$5 for each family member.

You can bring a check or cash to the next meeting or mail them to the club PO box and Christy will let me know she has received them so I can update the list. If you mail them, give me a heads up so I can mark it as pending on the roster.

Makes checks payable to South Wake ARC.

If you are going to mail it, send it to South Wake ARC – PO Box 1565 – Fuquay Varina, NC 27526

I will be developing an online form so new members can fill out the application online and mail or bring a check to a meeting.

I will be reaching out to all members here soon to make sure I have the latest contact information, addresses, etc so I can make sure the membership list reflects current information.

Thanks

Ryan Avery

NC4RA

[rwavery@charter.net](mailto:rwavery@charter.net)



# NET REPORT

Hi to the SWARC Group

We had a real poor net month and I want to assure everyone that according to VP Biden and VP Pence you cannot catch COVID 19 by talking on a ham radio mic. If you are afraid you can send me, your mics and I will find a use for them.

We had two individuals who can be referred to as net check in champs that is Bill, KK4QDZ and the World Famous "KING" Richard, K7RLH. We had one net controller that had his computer crash on him, so he did not turn in his nets and we have Mark, NC4MP who does not turn in his reports. On the reports that we did get we averaged 16 check ins per night. OK until next month enjoy ham radio and check into the nightly nets at 7:30 pm on the 145.210 with a tone of 82.5. See you on the nets.

Thanks to our net controllers Brian KK4BK, Kenny KJ4CVK, Miss Julia KT4JR, Richard K7RLH, Mark NC4MP, Bernie N4BAJ, Steve KA0GMY who has not been able to call his net. A special thank you to the officers of the club who have been rotating Wednesday nights.

Steve - KA0GMY

| By Call Sign |           | By Call Sign |           | By Call Sign |           | By Date   |       |
|--------------|-----------|--------------|-----------|--------------|-----------|-----------|-------|
| Call Sign    | Checkin's | Call Sign    | Checkin's | Call Sign    | Checkin's | Date      | Count |
| KK4QDZ       | 9         | KD7AAG       | 3         | KN4LGU       | 1         | 9/2/2020  | 16    |
| WA3JJG       | 9         | KO4GOG       | 3         | W2JTB        | 1         | 9/6/2020  | 12    |
| K7RLH        | 9         | KB4NC        | 3         | NC4MP        | 1         | 9/9/2020  | 18    |
| N4BAJ        | 8         | KO4DHJ       | 3         | N4NCK        | 1         | 9/13/2020 | 15    |
| KK4BK        | 8         | K4AAA        | 3         | KT4JR        | 1         | 9/16/2020 | 15    |
| WA4TCJ       | 8         | KD4MC        | 3         | KO4GOE       | 1         | 9/20/2020 | 13    |
| KJ4CVK       | 7         | KN4JJU       | 3         | KM4ARS       | 1         | 9/23/2020 | 20    |
| KJ4QNW       | 6         | KJ4WLG       | 2         | KN4WJL       | 1         | 9/26/2020 | 20    |
| KK4BVU       | 6         | N4MRW        | 2         | KI4YII       | 1         | 9/27/2020 | 13    |
| KN4OEY       | 5         | KW4BT        | 2         | KN4IJK       | 1         | 9/30/2020 | 16    |
| KM4IJK       | 5         | KI4LO        | 2         | KN4IBX       | 1         |           |       |
| W1JCA        | 4         | KM4JZA       | 2         | KN4HDH       | 1         |           |       |
| KD4OKR       | 4         | KM4WAL       | 2         | KM4JLA       | 1         |           |       |
| KI4WAI       | 3         | KK4WLG       | 2         | KM4GDU       | 1         |           |       |
| KI4RAN       | 3         | KA0GMY       | 1         | K2GYM        | 1         |           |       |
| WB4UFO       | 3         | KA4GOK       | 1         | KO4FUD       | 1         |           |       |
| KG4JOK       | 3         | KB2RUX       | 1         |              |           |           |       |
| KE4QBW       | 3         | K2OLT        | 1         |              |           |           |       |

# Public Service

*Check the RARS web site often for Public Service opportunities.*

## BOARD OF DIRECTORS

## Appointed Positions

### President

Brian Knox – KK4BK

### Vice President

Richard Hall – K7RLH

### Secretary

Andy McDaniel – KN4JJU

### Treasurer

Christy Fernandini - KJ4AEO

### Member-At-Large

Al Crawford –

WA4TCJ Member-At-

Large Bernie Jones –

N4BAJ Member-At-

Large

Mike Gaither –

K4MWG Membership

Chair Ryan Avery –

NC4RA

### NET MANAGER

Steve – KA0GMY

### Special Events Director

Gino Fernandini –KI4YXO

### Public Service Director

David Krum – NW3U

## SWARC Mission Statement

South Wake ARC's primary purpose is to further the Amateur Radio Service through programs, activities, and education, in order to promote the radio knowledge, fraternalism and individual operating efficiency of our members. Further, it shall be our purpose to support the welfare of our community through public service including radio communications for emergency situations and public events, and through providing information, training, and assistance to individuals or organizations with an interest in the Amateur Radio Service.

**LINKS** (if you have other links you want added then send them to me)

***PRN***

***A Wide Area Digital Amateur Radio Network*** [www.ncprn.net](http://www.ncprn.net)

***GigaParts*** [www.gigaparts.com](http://www.gigaparts.com)

***QRZ*** [www.qrz.com](http://www.qrz.com)

***Ham Radio Outlet HRO*** [www.hamradio.com](http://www.hamradio.com)

***Raleigh Amateur Radio Society RARS*** [www.rars.org](http://www.rars.org)

***Johnson Amateur Radio Society JARS*** [www.jars.net](http://www.jars.net)

***South Wake Amateur Radio Club SWARC*** [www.southwakearc.com](http://www.southwakearc.com)

There are events going on all the time: you got Islands on the Air (IOTA), and then there is working Light Houses, don't forget all the special events there is something new each week. Here is one for you

Mark, N4MQU is always setting up and working from different locations or likes to run different nets as the net control. See how many times you can work Mark in his different rolls during the week. If nothing else take your radio to the backyard and work some stations.

Just have fun.

# ATTENTION

Our club is like other clubs we have a mixture of memberships. We have everything from young pre-teen members to those who are “Advanced Teens”. The point is - make sure to checking in on our older members to see if they could use any help.

Question of the month WHO HAVE YOU HELPED THIS MONTH?

## ARRL News

### **ARISS to Celebrate 20 Years of Ham Radio on the International Space Station**

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10/05/2020

Amateur Radio on the International Space Station (**ARISS**) will soon celebrate 20 years of continuous ham radio operations on the International Space Station (ISS). NASA is commemorating the milestone with a newly produced **infographic** highlighting the educational contacts via amateur radio between astronaut crew members aboard the ISS and students. Over its 20 years, ARISS has supported nearly 1,400 scheduled ham radio contacts with schools, student groups, and other organizations.

Planning for ARISS began in 1996 as a cooperative venture among national amateur radio and amateur satellite societies, with support from their respective space agencies. The ARISS ham radio gear actually arrived on the station before the Expedition 1 crew, headed by Commander Bill Shepherd, KD5GSL. The FCC issued ham radio call sign NA1SS for ISS operations. After Expedition 1 arrived on station, some initial tests with ARISS ham radio ground stations and individual hams confirmed the ham gear was working properly. The first ARISS school contact was made with students at Luther Burbank Elementary School in Illinois on December 21, 2000, with Shepherd at the helm of NA1SS on the ISS, and ARISS operations team mentor Charlie Sufana, AJ9N, guiding the operation on the ground. <http://www.arrl.org/news/ariss-to-celebrate-20-years-of-ham-radio-on-the-international-space-station>

## ARISS Invites Proposals to Host Ham Radio Contacts with Space Station Crew

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10/01/2020

The Amateur Radio on the International Space Station (**ARISS**) Program is seeking formal and informal education institutions and organizations — individually or working together — to host an amateur radio contact with a member of the International Space Station crew. The deadline to submit proposals is November 24. Proposal information and documents are on the [ARISS website](#). An ARISS introductory webinar is set for October 8, 2020, at 8 PM EDT (0000 UTC on October 9 in North American time zones). **Registration** for the webinar is required.

ARISS anticipates that contacts would take place between July 1 and December 31, 2021. Crew scheduling and ISS orbits will determine specific contact dates. To make the most of these radio contact opportunities, ARISS is looking for organizations that will draw large numbers of participants and integrate the contact into a well-developed education plan.

Crew members aboard the International Space Station routinely conduct scheduled amateur radio contacts throughout the year. These contacts are approximately 10 minutes long and allow students to interact with the astronauts through a question-and-answer session. <http://www.arrl.org/news/ariss-invites-proposals-to-host-ham-radio-contacts-with-space-station-crew-1>

## IARU Region 2 Releases 2020 Revision of its Band Plan

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10/05/2020

International Amateur Radio Union Region 2 (**IARU R2**) — the Americas — has released the September 2020 revision of its **Band Plan** and made procedural changes to shorten the time to reflect future adjustments. The Band Plan includes a change approved at the October 2019 General Assembly to add an Amateur Satellite uplink subband, 21.125 to 21.450 MHz, on a non-exclusive basis. This matches similar changes in the Region 1 and Region 3 band plans.

A number of administrative changes have been made to the text, although the Band Plan itself has not been modified. These changes include:

- Modifications to the wording of the Band Plan to ensure that national regulators understand it is a voluntary document, and that countries may depart from the plan based on national requirements.
- Definitions additions: Amateur Radio Direction Finding (ARDF), primary service, secondary service, and several acronyms.
- Inclusion of information detailing the primary and secondary users in each amateur radio allocation band.
- Correction of minor typographical errors.

At its May 2020 meeting, the IARU R2 Executive Committee added text to the Standard Operating Procedures that provides a process for the Band Plan to be updated in a more timely manner. Prior to this change, Band Plan modifications could only be approved at a General Assembly, held once every 3 years. Under the new provision, the Band Planning Committee may circulate proposed changes to member-societies with the approval of the Executive Committee. “Should no more than one objection be received within a 60-day period, the change shall be deemed accepted and reported as such at the next conference,” the Band Planning Committee’s terms of references state.

The IARU R2 Band Planning Committee has a member from each of the seven areas in Region 2, and one of those members also serves as the committee’s chair. The current Committee Chair is **Alphonse Penney**, VO1NO/VA1AVR. — *Thanks to IARU Region 2 Secretary George Gorsline, VE3YV*

# Upcoming Contest <https://www.contestcalendar.com/contestcal.html>

## October 2020

|                                        |                                                                                                                        |
|----------------------------------------|------------------------------------------------------------------------------------------------------------------------|
| + CWops Mini-CWT Test                  | 0300Z-0400Z, Oct 1                                                                                                     |
| + NRAU 10m Activity Contest            | 1700Z-1800Z, Oct 1 (CW) and<br>1800Z-1900Z, Oct 1 (SSB) and<br>1900Z-2000Z, Oct 1 (FM) and<br>2000Z-2100Z, Oct 1 (Dig) |
| + RTTYOPS Weeksprint                   | 1700Z-1900Z, Oct 1                                                                                                     |
| + SARL 80m QSO Party                   | 1700Z-2000Z, Oct 1                                                                                                     |
| + SKCC Sprint Europe                   | 1900Z-2100Z, Oct 1                                                                                                     |
| + NCCC RTTY Sprint                     | 0145Z-0215Z, Oct 2                                                                                                     |
| + NCCC Sprint                          | 0230Z-0300Z, Oct 2                                                                                                     |
| + Portable Operations Challenge        | 0000Z, Oct 3 to 2359Z, Oct 4                                                                                           |
| + TRC DX Contest                       | 0600Z, Oct 3 to 1800Z, Oct 4                                                                                           |
| + Oceania DX Contest, Phone            | 0600Z, Oct 3 to 0600Z, Oct 4                                                                                           |
| + German Telegraphy Contest            | 0700Z-1000Z, Oct 3                                                                                                     |
| + Russian WW Digital Contest           | 1200Z, Oct 3 to 1159Z, Oct 4                                                                                           |
| + IARU Region 1 UHF/Microwaves Contest | 1400Z, Oct 3 to 1400Z, Oct 4                                                                                           |
| + YLRL DX/NA YL Anniversary Contest    | 1400Z, Oct 3 to 0200Z, Oct 4                                                                                           |
| + RTTYOPS Weekend Sprint               | 1600Z-1959Z, Oct 3                                                                                                     |
| + California QSO Party                 | 1600Z, Oct 3 to 2200Z, Oct 4                                                                                           |
| + International HELL-Contest           | 1600Z-1800Z, Oct 3 (80m) and<br>0900Z-1100Z, Oct 4 (40m)                                                               |
| + FISTS Fall Slow Speed Sprint         | 1700Z-2100Z, Oct 3                                                                                                     |
| + SKCC QSO Party                       | 1800Z, Oct 3 to 1800Z, Oct 4                                                                                           |
| + RSGB DX Contest                      | 0500Z-2300Z, Oct 4                                                                                                     |
| + UBA ON Contest, SSB                  | 0600Z-0900Z, Oct 4                                                                                                     |
| + Peanut Power QRP Sprint              | 2200Z-2359Z, Oct 4                                                                                                     |
| + K1USN Slow Speed Test                | 0000Z-0100Z, Oct 5                                                                                                     |
| + RSGB 80m Autumn Series, CW           | 1900Z-2030Z, Oct 5                                                                                                     |
| + Worldwide Sideband Activity Contest  | 0100Z-0159Z, Oct 6                                                                                                     |
| + ARS Spartan Sprint                   | 0100Z-0300Z, Oct 6                                                                                                     |
| + RTTYOPS Weeksprint                   | 1700Z-1900Z, Oct 6                                                                                                     |
| + Phone Fray                           | 0230Z-0300Z, Oct 7                                                                                                     |
| + CWops Mini-CWT Test                  | 1300Z-1400Z, Oct 7                                                                                                     |
| + VHF-UHF FT8 Activity Contest         | 1700Z-2000Z, Oct 7                                                                                                     |
| + 432 MHz Fall Sprint                  | 1900 local - 2300 local, Oct 7                                                                                         |
| + CWops Mini-CWT Test                  | 1900Z-2000Z, Oct 7                                                                                                     |
| + UKEICC 80m Contest                   | 2000Z-2100Z, Oct 7                                                                                                     |
| + CWops Mini-CWT Test                  | 0300Z-0400Z, Oct 8                                                                                                     |
| + RTTYOPS Weeksprint                   | 1700Z-1900Z, Oct 8                                                                                                     |
| + NCCC RTTY Sprint                     | 0145Z-0215Z, Oct 9                                                                                                     |
| + NCCC Sprint                          | 0230Z-0300Z, Oct 9                                                                                                     |
| + QRP ARCI Fall QSO Party              | 0000Z-2359Z, Oct 10                                                                                                    |
| + ARRL EME Contest                     | 0000Z, Oct 10 to 2359Z, Oct 11                                                                                         |
| + Makrothen RTTY Contest               | 0000Z-0800Z, Oct 10 and<br>1600Z-2400Z, Oct 10 and<br>0800Z-1600Z, Oct 11                                              |

|                                            |                                                                                      |
|--------------------------------------------|--------------------------------------------------------------------------------------|
| + 10-10 Int. 10-10 Day Sprint              | 0001Z-2359Z, Oct 10                                                                  |
| + Nevada QSO Party                         | 0300Z, Oct 10 to 2100Z, Oct 11                                                       |
| + Oceania DX Contest, CW                   | 0600Z, Oct 10 to 0600Z, Oct 11                                                       |
| + Microwave Fall Sprint                    | 0800 local - 1400 local, Oct 10                                                      |
| + Scandinavian Activity Contest, SSB       | 1200Z, Oct 10 to 1200Z, Oct 11                                                       |
| + SKCC Weekend Sprintathon                 | 1200Z, Oct 10 to 2400Z, Oct 11                                                       |
| + Arizona QSO Party                        | 1500Z, Oct 10 to 0500Z, Oct 11                                                       |
| + Cosack's Honor VHF/UHF Contest           | 1600Z, Oct 10 to 0400Z, Oct 11                                                       |
| + Pennsylvania QSO Party                   | 1600Z, Oct 10 to 0500Z, Oct 11 and<br>1300Z-2200Z, Oct 11                            |
| + FISTS Fall Unlimited Sprint              | 1700Z-2100Z, Oct 10                                                                  |
| + South Dakota QSO Party                   | 1800Z, Oct 10 to 1800Z, Oct 11                                                       |
| + PODXS 070 Club 160m Great Pumpkin Sprint | 2000Z, Oct 10 to 2000Z, Oct 11                                                       |
| + UBA ON Contest, CW                       | 0530Z-0800Z, Oct 11                                                                  |
| + UBA ON Contest, 6m                       | 0800Z-1000Z, Oct 11                                                                  |
| + K1USN Slow Speed Test                    | 0000Z-0100Z, Oct 12                                                                  |
| + 4 States QRP Group Second Sunday Sprint  | 0000Z-0200Z, Oct 12                                                                  |
| + Worldwide Sideband Activity Contest      | 0100Z-0159Z, Oct 13                                                                  |
| + RTTYOPS Weeksprint                       | 1700Z-1900Z, Oct 13                                                                  |
| + NAQCC CW Sprint                          | 0030Z-0230Z, Oct 14                                                                  |
| + Phone Fray                               | 0230Z-0300Z, Oct 14                                                                  |
| + CWops Mini-CWT Test                      | 1300Z-1400Z, Oct 14                                                                  |
| + VHF-UHF FT8 Activity Contest             | 1700Z-2000Z, Oct 14                                                                  |
| + RSGB 80m Autumn Series, Data             | 1900Z-2030Z, Oct 14                                                                  |
| + AGCW Semi-Automatic Key Evening          | 1900Z-2030Z, Oct 14                                                                  |
| + CWops Mini-CWT Test                      | 1900Z-2000Z, Oct 14                                                                  |
| + CWops Mini-CWT Test                      | 0300Z-0400Z, Oct 15                                                                  |
| + RTTYOPS Weeksprint                       | 1700Z-1900Z, Oct 15                                                                  |
| + NCCC RTTY Sprint                         | 0145Z-0215Z, Oct 16                                                                  |
| + NCCC Sprint                              | 0230Z-0300Z, Oct 16                                                                  |
| + Araucaria World Wide VHF Contest         | 0000Z, Oct 17 to 1600Z, Oct 18                                                       |
| + JARTS WW RTTY Contest                    | 0000Z, Oct 17 to 2400Z, Oct 18                                                       |
| + 10-10 Int. Fall Contest, CW              | 0001Z, Oct 17 to 2359Z, Oct 18                                                       |
| + New York QSO Party                       | 1400Z, Oct 17 to 0200Z, Oct 18                                                       |
| + Stew Perry Topband Challenge             | 1500Z, Oct 17 to 1500Z, Oct 18                                                       |
| + Worked All Germany Contest               | 1500Z, Oct 17 to 1459Z, Oct 18                                                       |
| + Feld Hell Sprint                         | 2000Z-2359Z, Oct 17                                                                  |
| + Argentina National 7 MHz Contest         | 2130Z-2230Z, Oct 17                                                                  |
| + Asia-Pacific Fall Sprint, CW             | 0000Z-0200Z, Oct 18                                                                  |
| + UBA ON Contest, 2m                       | 0700Z-1000Z, Oct 18                                                                  |
| + Classic Exchange, Phone                  | 1400Z, Oct 18 to 0800Z, Oct 19 and<br>1400Z, Oct 20 to 0800Z, Oct 21                 |
| + Illinois QSO Party                       | 1700Z, Oct 18 to 0100Z, Oct 19                                                       |
| + RSGB RoLo CW                             | 1900Z-2030Z, Oct 18                                                                  |
| + Run for the Bacon QRP Contest            | 2300Z, Oct 18 to 0100Z, Oct 19                                                       |
| + K1USN Slow Speed Test                    | 0000Z-0100Z, Oct 19                                                                  |
| + ARRL School Club Roundup                 | 1300Z, Oct 19 to 2359Z, Oct 23                                                       |
| + Telephone Pioneers QSO Party             | 1800Z-1900Z, Oct 19 (Digital Only) and<br>1900Z, Oct 19 to 0300Z, Oct 20 (All Modes) |
| + RSGB FT4 Contest Series                  | 1900Z-2030Z, Oct 19                                                                  |

|                                       |                                |
|---------------------------------------|--------------------------------|
| + Worldwide Sideband Activity Contest | 0100Z-0159Z, Oct 20            |
| + RTTYOPS Weeksprint                  | 1700Z-1900Z, Oct 20            |
| + Phone Fray                          | 0230Z-0300Z, Oct 21            |
| + CWops Mini-CWT Test                 | 1300Z-1400Z, Oct 21            |
| + CWops Mini-CWT Test                 | 1900Z-2000Z, Oct 21            |
| + CWops Mini-CWT Test                 | 0300Z-0400Z, Oct 22            |
| + RTTYOPS Weeksprint                  | 1700Z-1900Z, Oct 22            |
| + NCCC RTTY Sprint                    | 0145Z-0215Z, Oct 23            |
| + NCCC Sprint                         | 0230Z-0300Z, Oct 23            |
| + CQ Worldwide DX Contest, SSB        | 0000Z, Oct 24 to 2359Z, Oct 25 |
| + Kentucky State Parks on the Air     | 1400Z-2200Z, Oct 24            |
| + RTTYOPS Weekend Sprint              | 1600Z-1959Z, Oct 24            |
| + K1USN Slow Speed Test               | 0000Z-0100Z, Oct 26            |
| + QCX Challenge                       | 1300Z-1400Z, Oct 26            |
| + QCX Challenge                       | 1900Z-2000Z, Oct 26            |
| + Worldwide Sideband Activity Contest | 0100Z-0159Z, Oct 27            |
| + QCX Challenge                       | 0300Z-0400Z, Oct 27            |
| + RTTYOPS Weeksprint                  | 1700Z-1900Z, Oct 27            |
| + SKCC Sprint                         | 0000Z-0200Z, Oct 28            |
| + Phone Fray                          | 0230Z-0300Z, Oct 28            |
| + CWops Mini-CWT Test                 | 1300Z-1400Z, Oct 28            |
| + CWops Mini-CWT Test                 | 1900Z-2000Z, Oct 28            |
| + UKEICC 80m Contest                  | 2000Z-2100Z, Oct 28            |
| + CWops Mini-CWT Test                 | 0300Z-0400Z, Oct 29            |
| + RTTYOPS Weeksprint                  | 1700Z-1900Z, Oct 29            |
| + RSGB 80m Autumn Series, SSB         | 2000Z-2130Z, Oct 29            |
| + NCCC RTTY Sprint                    | 0145Z-0215Z, Oct 30            |
| + NCCC Sprint                         | 0230Z-0300Z, Oct 30            |
| + Zombie Shuffle                      | 1600-2400 local, Oct 30        |
| + UK/EI DX Contest, SSB               | 1200Z, Oct 31 to 1200Z, Nov 1  |
| + Russian WW MultiMode Contest        | 1200Z, Oct 31 to 1159Z, Nov 1  |
| + RTTYOPS Weekend Sprint              | 1600Z-1959Z, Oct 31            |



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